

SUPPLEMENTAL AMENDMENT UNDER 37 C.F.R. § 1.116
U. S. Application No. 10/724,604

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (canceled):
2. (canceled):
3. (canceled):
4. (canceled):
5. (previously presented): An on-vehicle DSRC apparatus employed for a dedicated short-range communication in an intelligent transport system, comprising:
 - a radio unit for performing communication with an on-road radio equipment installed at a location associated with a road;
 - a data processing unit for processing data received from said radio unit;
 - a battery for supplying an electric power to said radio unit and said data processing unit;and
 - a first power switch inserted in a power supply line extending between said battery on one hand and said radio unit and said data processing unit on the other hand,
 - wherein said first power switch is imparted with a function for effectuating a power save for control for the power supply from said battery so that electric energy of said battery can be saved,
 - said on-vehicle DSRC apparatus further comprising:

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an electric field intensity detecting circuit for detecting a field intensity of radio wave transmitted from said on-road radio equipment;

an activating circuit for activating said first power switch when a detection output of said electric field intensity detecting circuit becomes higher than a predetermined level inclusive thereof;

a second power switch inserted in a power supply line extending between said battery and said electric field intensity detecting circuit for controlling the power supply to said electric field intensity detecting circuit from said battery; and

a first timer for intermittently driving said second power switch.

6. (previously presented): An on-vehicle DSRC apparatus according to claim 5,
further comprising:

a switch control unit for controlling the power supply through said second power switch and interruption thereof in response to an output signal of said data processing unit.

7. (previously presented): An on-vehicle DSRC apparatus according to claim 6,
further comprising:

a second timer for delaying starting of the power supply through of said second power switch in response to an output signal issued from said second switch control unit.

8. (canceled):

9. (canceled):

10. (currently amended): An on-vehicle DSRC apparatus employed for a dedicated short-range communication in an intelligent transport system, comprising:

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a radio unit for performing communication with an on-road radio equipment installed at a location associated with a road;

a data processing unit for processing data received from said radio unit;

a battery for supplying an electric power to said radio unit and said data processing unit;

and

a first power switch inserted in a power supply line extending between said battery and said radio unit and said data processing unit,

wherein said first power switch effectuates a power save for control for the power supply from said battery so that electric energy of said battery can be saved,

said on-vehicle DSRC apparatus further comprising:

a ~~third~~second power switch provided on output side of said battery, and

a vibration detecting switch control unit for turning on/off said second power switch,

wherein said vibration detecting switch control unit is so designed as to turn off said second power switch when a vibration level lower than a predetermined level is detected and turns on said second power switch upon detection of the vibration at a level higher than said predetermined level.

11. (canceled).

12. (canceled).

13. (canceled).

14. (canceled).